

## Product datasheet for **SC328611**

### Carbohydrate sulfotransferase 4 (CHST4) (NM\_001166395) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Carbohydrate sulfotransferase 4 (CHST4) (NM_001166395) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST4
Synonyms:	GlcNAc6ST2; GST3; HECGLCNAC6ST; LSST
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166395, the custom clone sequence may differ by one or more nucleotides

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ATGCTACTGCCTAAAAAATGAAGCTCCTGCTGTTTCTGGTTTCCAGATGGCCATCTTG
GCTCTATTCTTCCACATGTACAGCCACAACATCAGCTCCCTGTCTATGAAGGCACAGCCC
GAGCGCATGCACGTGCTGGTTCTGTCTTCTGCGCTCTGGCTCTTTTTGTGGGGCAG
CTTTTTGGGCAGCACCCAGATGTTTTCTACCTGATGGAGCCCGCCTGGCACGTGTGGATG
ACCTTCAAGCAGAGCACCCGCTGGATGCTGCACATGGCTGTGCGGGATCTGATACGGCC
GTCTTCTGTGCGACATGAGCGTCTTTGATGCCTACATGGAACCTGGTCCCCGGAGACAG
TCCAGCCTCTTTCAGTGGGAGAACAGCCGGGCCCTGTGTTCTGCACCTGCCTGTGACATC
ATCCCAAGATGAAATCATCCCCGGGCTCACTGCAGGCTCCTGTGCAGTCAACAGCCC
TTTGAGGTGGTGGAGAAGCCTGCCGCTCCTACAGCCACGTGGTGTCAAGGAGGTGCGC
TTCTTCAACCTGCAGTCCCTCTACCCGCTGCTGAAAGACCCCTCCCTCAACCTGCATATC
GTGCACCTGGTCCGGGACCCCGGGCCGTGTTCCGTTCCCGAGAACGCACAAAGGGAGAT
CTCATGATTGACAGTTCGATTGTGATGGGGCAGCATGAGCAAAAACCTCAAGAAGGAGGAC
CAACCCTACTATGTGATGCAGGTGATCTGCCAAAGCCAGCTGGAGATCTACAAGACCATC
CAGTCCTTGCCCAAGGCCCTGCAGGAACGCTACCTGCTTGTGCGCTATGAGGACCTGGCT
CGAGCCCTGTGGCCAGACTTCCCGAATGTATGAATTCGTGGGATTGGAATCTTGCC
CATCTTCAGACCTGGGTGCATAACATCACCCGAGGCAAGGGCATGGGTGACCACGCTTTC
CACAAAATGCCAGGGATGCCCTTAATGTCTCCAGGCTTGGCGCTGGTCTTTGCCCTAT
GAAAAGGTTTCTCGACTTCAGAAAAGCCTGTGGCGATGCCATGAATTTGCTGGGCTACCGC
CACGTCAGATCTGAACAAGAACAGAGAAAACCTGTTGCTGGATCTTCTGTCTACCTGGACT
GTCCTGAGCAAATCCACTAA
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Restriction Sites:	Please inquire
ACCN:	NM_001166395



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001166395.1</a> , <a href="#">NP_001159867.1</a>
<b>RefSeq Size:</b>	2197 bp
<b>RefSeq ORF:</b>	1161 bp
<b>Locus ID:</b>	10164
<b>UniProt ID:</b>	<a href="#">Q8NCG5</a>
<b>Cytogenetics:</b>	16q22.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Keratan sulfate biosynthesis, Metabolic pathways
<b>Gene Summary:</b>	<p>This gene encodes an N-acetylglucosamine 6-O sulfotransferase. The encoded enzyme transfers sulfate from 3'phosphoadenosine 5'phospho-sulfate to the 6-hydroxyl group of N-acetylglucosamine on glycoproteins. This protein is localized to the Golgi and is involved in the modification of glycan structures on ligands of the lymphocyte homing receptor L-selectin. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) has an alternate 5' UTR exon, as compared to variant 1. Variants 1 and 2 encode the same protein.</p>